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CIRCUMSTANTIAL INFORMATION~~

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Germany (Russian Zone)

TDO Abstract of [redacted]

Radio Direction Finder for Use on Ships -- 4 pp -- German -- [redacted]

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This radio direction finder, consisting of Loop Antenne RK 31-1 (or 12 31-2) and Receiver RK 31-1, serves for locating transmitters within a frequency band of 250 - 545 kc. It is employed on ships at sea for direction finding.

The receiving portion of the installation is a superheterodyne with two tunable input circuits, two band-passes, and two oscillators. The intermediate frequency is 125 kc. In A_1 operation the bandwidth is 100 - 200 cps, and in A_2 and A_3 operation, it is 1 - 2 kc.

The installation operates on 120 volt dc, 220 volt 240v ac or generator; it can be operated on a battery in conjunction with a transformer. The total weight of the unit is 90 kg.

The report is accompanied by a complete circuit diagram, and two diagrams showing the dimensions of the loop antenna and the RF receiver. The photograph listed as Sheet No 5 is the list of contents was not repeated.

The device was developed by the RFT Werkwerk Koepenick 121 according to

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[redacted] ; however, the firm of RFT VEB Radio- u. Fernmeldetechnik Leipzig C 1, appears on the documents.

RETAIN OR DESTROY

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Abstracted by [redacted]

April 11, 19